

Title (en)

System and method of controlling ignition timing in an engine with a variably operated intake valve

Title (de)

System und Methode für die Steuerung des Zündzeitpunktes einer Brennkraftmaschine mit variabler Einlassventilsteuerung

Title (fr)

Système et méthode de commande d'avance à l'allumage pour un moteur à calage variable des soupapes d'admission

Publication

**EP 1104850 B1 20061018 (EN)**

Application

**EP 00126083 A 20001129**

Priority

JP 34250199 A 19991201

Abstract (en)

[origin: EP1104850A2] A system and method of optimally controlling ignition timings in an engine conditioned in first and second modes of intake control. A control unit includes an unthrottled operation control conducting the first mode by varying a closing timing of an intake valve and fixing a throttle position of a throttle valve, a throttled operation control conducting the second mode by varying the throttle position of the throttle valve and fixing the closing timing of the intake valve, and an ignition timing control determining different ignition timings to be used in the first and second modes. <IMAGE>

IPC 8 full level

**F02P 5/04** (2006.01); **F02P 5/15** (2006.01); **F01L 9/20** (2021.01); **F02D 13/02** (2006.01); **F02D 41/00** (2006.01); **F02D 41/04** (2006.01); **F02D 43/00** (2006.01); **F02D 45/00** (2006.01)

CPC (source: EP US)

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Cited by

EP1323902A3; EP2189641A1; EP1734239A3; FR3048736A1; CN108884805A; US7314028B2; WO2017153659A1

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